

Electrophysiological Investigation of
Afferent Impulses From Receptors of the
Uterus During the Action of Ovarian
Hormones, by E. F. Kryhanovskaya.

RUSSIAN, per, Fiziologicheskii Zhurnal SSSR,
Vol 50, No 1, 1964, pp 106-112.
OTS TT-64-19712

Sci-B&M
Jul 66

306,441

Pharmacological Analysis of Primary Responses From
the Cortex of the Cerebral Large Hemispheres, in
Ontogenesis, by O. G. Baklavadzhian, F. A. Adamyan,
12 pp.

RUSSIAN, per, KK Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol I, No 2, 1964, pp 145-152.
JPRS 24245

Sci-Biol & Med
Apr 64

254,703

Evaluation of the Functional Properties and Responses
From Individual Neurons of the Central Nervous System,
by G. A. Vartanyan, N. N. Vasilevsky, 14 pp.
RUSSIAN, per. Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol 1, No 2, 1964, pp 153-160.
JPRS 24245

Sci-Biol & Med
Apr 64

254,704

Oxygenation of Brain Tissues During Air and Oxygen
Respiration With an Admixture of CO_2 , by Ye. A. Kovalenko,
V. L. Popkov, 11 pp.
RUSSIAN, per, Fiz Zhur SSSR, Vol L, No 2, 1964,
pp 177-182. 9695639
FTD-TT-64-634

Sci - Biol & Med Sci
Jan 65

270,473

Gastric Motility at Liquid Diet, by P. G. Bogach,
S. D. Grynman, II ^{SSR}
RUSSIAN, per, Eng. ZHUR, Vol L, No 2, 1964,
pp 193-198. 0696128
PTD-TT-64-873

Sci - Biol & Med Sci
Mar 65

276,924

Calibration of Photoplethysmograph, by V. S. Moshkevich,
11 pp.
RUSSIAN, per, Fliz Zhur USSR Sechenov, Vol L, 1964,
pp 233-234.
Dept of Navy Tr 4212/NMC No 983

Sci - Phys & M
Aug 65

284,320

Changes in Respiration and Reflex Excitability
of the Respiratory Center in Dogs Inhaling
Oxygen, by G. A. Vokalevskiy and L. P. Yermenko,
12 pp.

RUSSIAN, per, Fiziologicheskii Zhurnal SSSR
Izvesti I. M. Sechenova, Vol 1., No 3, Mar 1964,
pp. 280-287.
DIB 30637

USSR
Sci-B/M
Jun 65

281,914

Appliance for Derivation of Electroencephalogram
During Prolonged Rotation of Human Subjects, by
A. A. Marinichev, 5 pp.
RUSSIAN, per, Fiziologicheskoy Zhur, SSSR im Sechenov,
Vol I, No 3, 1964, pp 381-383. 0695063
FTD-TT-64-877

Sci - Biol & Med Sci
Nov 64

268,352

Automatic Device for Statistical Processing
of Electrophysiological Reactions, by I. N.
Bhetalov, 7 pp.
RUSSIAN, per, Fiziologicheskii Zhurnal
Soviet Union I. N. Bhetalov, Vol 1, No 4,
1964, pp. 514-517.
JPRS 31012

USER
Sci-B/H
Jul 65

283,257

Opposite Changes in Electrophysiological Reactions
of the Human Brain in Adopting the
Frequency of Light Flashes at Vestibular and
Optokinetic Stimuli, by V. G. Samsonova, 10 pp.
RUSSIAN, per, Fiz Zhur SSSR Im. I. M. Sechenova,
Vol 1, No 6, 1964, pp 649-654. 9697-65
FTD-TT-65-86

Sci-B & M
Jul 68

26,569

Diurnal Rhythm of Functions in Humans During
Restricted Mobility, by N. Ye. Panferova. 13 pp.
RUSSIAN, per, Fiziol Zh SSSR, Vol 50, No 6,
1964, pp 741-749.
NASA TT F-12,739

Sci-B&M
June 70

Daydyov, A.F. and A.R. Makarova

1964

Changes in heat regulation and circulation in newborn seals on transition to aquatic form of life (Izmeneniia termoregulatsii i krovoobrashcheniia u novorozhdennykh tiulenoi pri perekhode k vodnomu obrazu zhizni)

Fiziologicheskii zhurnal SSSR imeni I.M. Sechenova, 50(7): 894-900. In Russian.

Transl. in Federation Proceedings, 24(4), Part II (Transl. Supp.), July/Aug. 1965, pp. T563-T566, processed.

Avail. on Loan - NMPS, Wash., D.C.

Original Article Checked. //K

Change in Blood Circulation in the Upper Extremity
Under Static Load, by R. L. Timiyevskaya. 13 pp.
RUSSIAN, per, Fiziol Zh SSSR, Vol 50, No 9,
1964, pp 1129-1135.
NASA TT F-12,999

Sci-B33
Sep 70

Second Symposium on Biotelemetry Held in Sverd-
lovsk, by V. V. Parin, V. V. Rozanblat, 5 pp.
RUSSIAN, per, Fiziologicheskii Zhurnal SSSR
Izvesti I. M. Sechenova, Vol L, No 9, Sep 1964,
pp. 1191-1193
JPRS 30528

USER
Sci-B/M
Jun 65

281,822

Mechanism of Increasing Osmotic Resistance of
Rats Erythrocytes with Adaption of Hypoxia, by

Z. I. Garbashova.

RUSSIAN, per, Fiziologicheskiy Zhurnal SSSR,

Vol 50, 1964, pp 1385-1394.

*DASA TR F-11,410

Sci-1441

Dec 67

Nystagmographic Analysis of the Fast Component of
Vestibular Nystagmus Caused by Radial Acceleration,
by M. M. Levashov, 14 pp

RUSSIAN, per, Fiziologicheskii Zhurnal SSSR imeni
I. M. Sechenova, Vol 50, No 12, Dec 64, pp 1,424-
1,433.

JPRS 29571

USSR
Sci-1/M
Apr 65

277,754

2256-D

Table of Contents of the Physiology of Humans
and Animals: The Nervous System and Motor
Apparatus, by A. N. Kabanov, 8 pp.

RUSKIAN, bk, Fiziologiya Cheloveka i Zhivotnykh-
nervnaya Sistema i Dvigatel'nyy Apparat, Moscow,
1977, pp 146-192.

IN JUNE 4-1400-D

Sci - Medicine
Jan 59

79, 823

Structure of Root Tips and Mycorrhiza Forma-
tion in White Birch, by R. K. Salyayev,
RUSSIAN, por, Fiziologiya Drevesnykh Rasteniy,
Akademiya Nauk SSSR, Laboratoriya Lesovedeniya,
1962, pp 289-293.
CPSTT TT 66-51090

Sci-864
Oct 66

513,078

Physiology of Woody Plants of Siberia, by N. A.

Khatnikova, 125 pp.

MUSKIE, 2010, Fiziologiya Drevesnykh Rastenii Sibiri,
Moscow, 1963.

CNFTI IT-66-51074

313,242

Sci - Agri

Oct 66

63-12788

Zaks, M. G.
THE MOTOR APPARATUS OF THE MAMMARY
GLAND, tr. by D. G. Fry. 1962, iv,
Order from OB #40

I. Zaks, M. G.
II. Oliver and Boyd, Ltd.
(Gr. Brit.)

Trans. of mono. [Fiziologiya Dvigatel'nogo Apparata
Molochnoi Zhelezy Selskokhozyaistvennykh Zhivotnykh]
n.p., n.d.

DESCRIPTORS: Mammary glands, Physiology.

(Biological Sciences--Physiology. TT, v. 9, no. 8)

Office of Technical Services

Soviet Research on Hypothermy, by L. I. Murskiy, 24 pp.

RUSSIAN, in, Fiziologiya Gipotermii, 1953.

CIA/FDD X-4257

Sci - Med

Apr 62

104,017

Physiology and Geochemical Activity of Thiobacilli,
by G. A. Sokolova & G. I. Karavaiko. 333 pp
RUSSIAN, in: Fiziologiya i geochemicheskaya
deyatelnost' tsiyanovaya bakterii, 1964.
CPSTI TT 67-51275

Sci/B & M
May 68

396,696

S-833/63

Chapter VII. Neural Regulation of Composition and
Properties of Blood: Conclusion and Deductions,
by A. Yu. Yunusov. (SF-2824)

RUSSIAN, in: Fiziologiya Krovi Cheloveka i Zhivotnykh
v Zharkom Klimate, Tashkent, 1961, pp 182-183,
207, 208.

*JPRS

Sci - Biol & Med Sci
Sep 63

(FDD 28461)

Data for the Study of Fatigue Processes Under
Static Stress, by N. K. Vereshchagin, V. V. Rozenblat,
18 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protsessov, Kiev,
1955, pp 377-388.

CIA/FDD U-9076

41,307

USSR

Sci - Medicine, physiology

Oct 56

(FDD 29258)

The Major Causes of Fatigue in Patients in the
Initial Stage of Hypertension, by F. Ya. Primak,
12 pp.

RUSSIAN, Dr. Fiziologiya Nervnykh Protessov,
Kiev, 1955, pp 389-395.

CIA/FDD U-5082

USBR

Sci - Medicine, physiology

Cat 56

41, 308

(FDD 29259)

Functional Changes in the Gastric Glandular
Apparatus in Secretory Activity of Long Duration,
by Ya. P. Ekiyarov, 13 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protssessov, Kiev,
1955, pp ~~236-244~~ 396-404.

CIA/FDD U-9083

USER
Sci - Medicine, physiology
Oct 56

41,308

(FDD 29260)

The After-Effect of Inhibitory Stimuli (Extinction and Differentiation), by A. V. Semernina, 15 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protssessov, Kiev, 1955, pp 405-414.

CIA/FDD U-9084

Sci - Medicine, physiology
Oct 56

41,304

(FDD 29261)

Effects of Long-Continued False Feeding on the
Processes of Exhaustion and Recovery in the Parotid
Salivary Gland, by E. S. Aleksentseva, 7 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protessov,
Kiev, 1958, pp 415-419.

CIA/FDD U-9085

Sci - Medicine, physiology
Oct 56

41,305

(FDD 29262)

The Efficiency (Work Capacity) of Nerve Components
in the Cerebral Cortexes of Various types of Dogs,
by O. M. Pugol', 13 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protessov,
Kiev, 1955, pp 120-128.

CIA/FDD U-9086

Sci - Medicine, Physiology
Oct 56

44,300

(FID 29263)

Changes in Various Physiological and Biochemical
Processes Under the ~~Maximum~~ Influence of Heavy
Muscular Stress, by G. G. Diachenko, A. G. Filippova,
11 pp.

RUSSIAN, ~~Dr.~~ Fiziologiya Nervov i Protessov,
Kiev, 1955, pp 429-437.

CIA/FID 11-9087

Sci - Medicine, physiology
Oct 56

41, 301

(FDD 29264)

Effect of Muscular Activity on Conditioned
Secretory Reflexes in Man, by V. A. Novi,
19 pp.

RUSSIAN, bk, Fiziologiya Nervnykh Protseessov,
Kiev, 1955, pp 438-449.

41,302

CIA/FDD U-9088

Sci - Medicine, physiology
Oct 56

(FDD 29265)

Fatigue and the Experimental Pathology of the
Heart, by V. V. Prokhorov, 10 pp.

RUSSIAN, bk, Fiziologiya Serdtsa i Krugotochnogo Potoka,
Kiev, 1955, pp 490-495.

CIA/FID U-9089

Sci - Medicine, physiology
Oct 55

41,297

Metabolic Physiology of Microorganisms and the
Evolution of Functions, by V.N. Shaposhnikov.
214 pp.

RUSSIAN, bk, Fiziologiya Obmena Veshchestv Mik-
roorganizmov v Svyazi s Evolyutsiyei Funktsiy,
Moskva, 1960. 163 pp. 9700758-V
FTD-TT-65-516

Sci/B&M
Jun 66

302,562

Physiology and Pathology of Blood Circulation
by V. V. Parina, 196 pp.

Russian, in, Fiziologiya i Patologiya, Moscow,
1962, pp 1-163. 9687677-V

FED-IT-63-295

Sci-Med & Med Sci
Nov 63

240, 782

Physiology and Pathology of the Human
Diencephalon, by Grashchenkov, N. I., ed.,
B. N. Krasil, ed., 420p..
RUSSIAN, mono. Fiziologiya i Patologiya
Diencefalnoi Chasti Golovnogo Mozga.
Moscow, 1968.
IPOT-2151

327, 351

Sci - Biol & Med
Jul 67

8-5-72

(DC-3032).

The Respiration of Brain Tissue During Hypoxia,
by Ye. N. Krepa, 5 pp.

RUSSIAN, in, Fiziologiya i Patologiya Dychaniya,
Gipoksiya i Oksigenoterapiya, 1958, pp 40-43.

JPRS-I-1988-D

Sci. Med., Physiology
Feb 60

107864

S-5472

(DC-3082).

Some Physiological Mechanisms of the Adaptation
of an Organism to Oxygen Insufficiency, by Ye. N.
Dumontovitch, 17 pp.

RUSKIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Gipoksiya i Oksigenoterapiya, 1958, pp 67-74.

JPRS-L-1988-D

Sci - Med, Physiology
Feb 60

107857

S-5472

(DC-3082).

Respiratory Insufficiency and Oxygen Starvation,
by L. L. Shik, 16 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Glyeksizya i Oksigenoterapiya, 1958, pp 108-117.

JPRS-L-1988-D

Sci - Med, Physiology
Feb 60

107,858

(S-5472)

(DC-3082).

Concerning Resistance to Hypoxia in Dogs With
Experimentally Produced Infarcts in the
Ventricles of the Heart, by A. I. Smirnov,
V. S. Rayevskiy, Ye. I. Kusheva, T. P. Rolich,
12 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Gipoksiya i Oksigenoterapiya, 1958, pp 160-166.

JPRS-1-1968-D

Sci - Med, Physiology
Feb 60

107,860

(8-5-72).

(DC-13052).

The Effect of Environmental Temperature Conditions on
the Consumption of Oxygen Through the Skin and Lungs,
by I. M. Petrun', 8 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dyshaniya,
Gipoksiya i Kisligenoterapiya, 1958, pp 181-185.

JPRS-L-1988-1)

Sci - Med, Physiology
Feb 60

107,853

S-5472

(DC-3082).

An Analysis of the Changes of Respiration and
Blood-Circulation Functions During Great and Swift
Drops in Atmospheric Pressure, by P. I. Pozharitskiy,
D. Ye. Rosenblyum, I. M. Khasan, 15 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Gipoksiya i Gksigenoterapiya, 1958, pp 189-199.

JPRS-I-1988-D

Sci - Med, Physiology
Feb 60

107,854

S-5472

(DC-3082).

The Comparative Importance of Pressure and the Oxygen Content of the Blood in the Development of Hypoxemia Symptoms, by S. I. Vinogradov, P. M. Gramitskiy, A. F. Kulev, P. V. Chlapenko, 10 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya, Gipoksiya i Gksigenoterapiya, 1958, pp 204-213.

JPRS-1-1988-D

Sci - Med, Physiology
Feb 60

107855

8-5472

(DC-3082).

Oxygen Insufficiency in Burns and Its Treatment,
by G. V. Iervix, V. M. Smidovich, 9 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykheniya,
Gipoksiya i Gksigenoterapiya, 1958, pp 295-300.

JPRS-L-1968-D

Sci - Med, Physiology
Feb 60

107856

3-5472

(DC-3082).

The Effect of Hyperoxia on Higher Nervous Activity,
by N. N. Sirotinin, 4 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Glyukoziya i Oksigenoterapiya, 1958, pp 315-317.

JPRS-L-1988-D

Sci - Med, Physiology
Feb 60

107,789

S-5472

(DC-3082).

Artificial Hypothermia as a Means of Oxygen Starvation
Prophylaxis, by I. P. Petrov, H. V. Gubler, 15 pp.

RUSSIAN, bk, Fiziologiya i Patologiya Dykhaniya,
Gipoksiya i Oksigenoterapiya, 1958, pp 404-413.

JPRS-1-1988-D

Sci - Med, Physiology
Feb 60

107 790

S-5472

(DC-3082).

The Influence of Interoceptive Reflexes on the
Respiration and Blood Circulation of an Organism
Under Conditions of Oxygen Insufficiency, by M.
D. Chirkun, 15 pp.

FUSHLAI, bk, Fiziologiya i Patologiya Dykhaniya,
Gipoksiya i Oksigenoterapiya, 1959, pp 126-134.

JPRS-L-1988-D

Sci - Med, Physiology
Feb 60

107,859

Utilization of the Stable Nitrogen Isotope N¹⁵ For
Studying the Importance of Copper in the Assimilation
of Ammoniacal and Nitrate Nitrogen by Plants, by
L. K. Ostrovskaya, B. A. Geller.

RUSSIAN, Mono, Fiziol. Rast. Agrokhim. Pochvoved;
Trudy Vses. Nauch. Tekh. Kom. po. Primeneniyu Radioaktivnykh
i Stabil'nykh Izotopov i Izlucheni v Narod. Khoz. i Nauke
(Moscow, 4-12 Apr 1957) 1958, pp 168-176.

*PL-480

Feb 63

S-287/61

(DC-5983).

The Physiology of Sports, by V. S. Farfel',

RUSSIAN, bk, Fiziologiya Sporta, 1960, pp 1-384.

*JPRS 2543

Sci - Med

16 May 61

Summary Trans

Lobashev, M. E. and Savvatev, V. B.
MECHANISM OF PHOTOPERIODISM IN ANIMALS.
[1961] [21]p.

Order from OTS or SLA \$2.60

61-27802

Trans. of monog. Fiziologiya Sutochnogo Ritma Zhivot-
nykh, Moscow, 1959, chap. 8.

DESCRIPTORS: *Light, *Rhythm, *Reproductive system.

. 61-27802

- I. Title: Photoperiodism
- I. Lobashev, M. E.
- II. Savvatev, V. B.
- III. Translations, New York

155618

(Biological Sciences--Zoology, TT, v. 6, no. 9)

Office of Technical Services

(FDD 20227)

Physiology of Higher Nervous Activity (Articles and Reports), by M. A. Usievich, 665 pp.

RUSSIAN, bk, Fiziologiya Vyshey Nervenoy
Deyatelnosti, Moscow, 1953, pp 3-315.

CIA/FDD/U-6252

USSR

Sci - Medicine, higher nervous activity

18,240

Translocation of Photosynthetic Products
From the Leaves and Boil Walls of Cotton
Plants Into the Developing Fibre, by A.
Korshakov, B. Vyskrebents.

RUSSIAN, per, Fiz Rasteni, Vol I, No 2,
1954, pp 156-163.

CSIRO 3646

Sci - Phys

Apr 62

192,094

Accumulation of Dry Matter and Yield of
Cotton in Plant Stands of Different Density,
by M. F. Madnis.

RUSSIAN, per, Fiz Rastenii, Vol II, No 1,
1955, pp 52-61.

CSIRO 3973

Ref - Biol
Aug 62

207,263

Biological Analysis of the Flower Buds of
Stone Fruits, by L. Sergeyev, O.
Lebranskaya.

RUSSIAN, par, Maloclog Masteniy,
Vol. XL, No 2, 1955, pp 160-166.

CSIRO 4107

Sci - Biol
Jun 62

199, 384

(FID 28368)

New Chemical Means of Preharvest Removal of Leaves
in Cotton, by Yn. V. Rakitin, K. Ye. Ovcharov,
L. G. Krasotova, 9 pp.

RUSSIAN, bimo per, Fiziol Rasteniy, Vol II,
No 2, Moscow, Mar/Apr 1977, pp 177-181.

CIA/FDD U-8997

41, 028

USSR

Sci - Chemistry

Oct 56

Tumanov, I. I. and Krasavtsev, O. A.
FROST RESISTANCE IN TREE SPECIES (Morozostoi-
kost' Drevesnykh Rastenii). 1963, 16p, 21 refs.
PL-480 Agr

Order from OTS \$0.50

63-11029

Trans. of *Fiziologiya Rastenii* (USSR) 1955, v. 2,
no. 4, p. 320-333.

9212536
DESCRIPTORS: *Adaptation (Physiology), *Atmospheric
temperature, Exposure, *Trees, Forestry, Growth.

Investigations are directed at the determination of the
physiological variations enabling cells to withstand the
severest frosts and the effect that external conditions
exert on them.

(Biological Sciences--Botany, TT, v. 10, no. 3)

63-11029

- I. Tumanov, I. I.
- II. Krasavtsev, O. A.
- III. PL-480 Agr (63-11029)
- IV. National Science Foun-
dation, Washington, D. C.

Office of Technical Services

Zgurovskaya, L. N. and Tsel'niker, Yu. L.
 THE INFLUENCE OF IRRIGATION AFTER A PRO-
 LONGED DROUGHT ON TRANSPIRATION AND ON
 THE CONDITION OF THE ABSORBING ROOTS OF
 ARBOREAL SPECIES IN THE DERKUL' STEPPE (O
 Vliyani Poliva Posle Dlitel'noi Zasukhi na Trans-
 piratsiyu i Sostoyaniye Kornei u Dreveanykh Porod v
 Derkul'sko Step'i). 1961, 10p. 11 refs. PL-480 Agr.
 Order from OITS \$0.50 60-51025

Trans. of Fiz iologiya Rastenii (USSR) 1955, v. 2,
 no. 4, p. 346-353.

DESCRIPTORS: *Trees, Growth, Moisture, *Irrigation
 systems, Evapotranspiration, USSR, Soils

The increase in the transpiration rate caused by
 moistening of the soil after a drought varies in differ-
 ent species (the cherechaty oak [Quercus robur].
 (Agriculture--Plant Cultivation, TT, v. 7, no. 4) (over)

60-51025

- I. Zgurovskaya, L. N.
- II. Tsel'niker, Yu. L.
- III. PL-480 Agr (60-51025)
- IV. National Science
 Foundation, Washington,
 D. C.

Office of Technical Services

60-23207

Belikov, N. F.
THE FLOW AND DISTRIBUTION OF THE PRODUCTS
OF PHOTOSYNTHESIS IN GROWING SOYBEANS (O
Dvizhenii i Raspredeleнии Produktov Fotosintezy u Soy
v Period Vegetatsii) tr. by R. J. Zatorski. [1960]
[8]p. (foreign text included) 3 refs. Trans. no. 4317.
Order from LC or SLA m\$1.00, p\$1.00 60-23207

Trans. of Fiziologiya Rasteniy (USSR) 1955, v. 2,
no. 4, p. 354-357.

142,993

- I. Photosynthesis--Analysis
- I. Belikov, N. F.
- II. CSIRO Trans-4317
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

(Agriculture--Plant Cultivation, TT, v. 5, no. 3)

TRANSPIRATION OF WOODY SPECIES OF THE
TELLENNY FOREST RANGE, BY A. A. SILINA,
13 PP.

RUSSIAN, PER. FIZ RASTENII, VOL 11, NO 4,
1955, PP 364-372. 9088303

OTS 60-51013
PL-460

SCI - BIOL

NOV 61

PSTJOO

172,496

Winter Transportation of Oak Seedling Shoots in
Relation to Their Winter Hardiness, by V. M. Ipakdzhiyan,
6 pp.

RUSSIAN, per, Fiziologiya Rastenii, Vol II, No 4,
1955, pp 373-377.

OTS 63-11009

PL-480

Sci - Agri
Jan 65

271,033

Aromatic Compounds of the Cell Membrane of Sphagnum
Moss by S.M. Manskaya and T.V. Drozdova.

RUSSIAN, per, Fiziologiya Rastenii, ^{vol} No 2, 1955,
pp 533-538

CSIRO

Oct. 62

Effect of Intensity and Duration of Illumination on
Growth and Development of Plants, by B. S. Moshkov.

RUSSIAN, per, Fiziologiya Rastenii, Vol II, No 6,
1955, pp 539-546.

SLA
CSIRO-3186

Sci

Aug 58

71, 113

Energy Balance in Plants, by A. Kleshnin.
RUSSIAN, per, Fiziologiya Rasteniy, Vol II,
No 6, 1955, pp 549-557.

CSIRO-3187

Sci

Aug 58

72,783

The Effect of Watering During Growth on the
Course of the Physiological Processes and
Productivity of Grapevines, by K. D. Stoyev,
Yu. N. Magriso, 17 pp.

RUSSIAN, per, Fiz Rasteniy, Vol II, No 6, 1955,
pp 565-572.

SLA 59-19601

Sci

OTS, Vol III, No 7

133,062

62-22452

Il'in, G. S.
FUNCTION OF TOBACCO ROOT IN SYNTHESIS OF
NICOTINE. 1962] 9p.
Order from K-H 511.25 K-H 5044-a

Trans. of Fitologiya Rastenii (USSR) 1955, v. 2,
no. 6, p. 573-577.

DESCRIPTORS: *Tobacco, *Nicotine, Synthesis

I. Il'in, G. S.
II. K-H-5044-a
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Biological Sciences--Botany, TT, v. 8, no. 8)

Office of Technical Services

New Methods for the Study of Plants At Various Soil
Temperatures by S.I. Radchenko.

RUSSIAN, per, Fiziologiya Rastenii, ~~No. 2~~ ^{Vol II}, 1955,
pp 511-515

CSIRO

Oct. 62

Cultivation of Seedlings of Woody Species by Electric
Illumination, by V. M. Leman.

RUSSIAN, per, Fiz ~~XXXX~~Rastenii (USSR), Vol II, No 10,
1955, pp 91-100.

*PL-480

Feb 63

Mashkovtsev, M. P. and Sirotenko, A. A.
THE BREAKDOWN OF NICOTINE BY THE ROOTS OF
THE TOBACCO PLANT DURING THE PROCESS OF
STARVATION METABOLISM [1961] 9p. 2 refs.
Order from OTS or SLA \$1.10 61-14952

Trans. of *Fiziologiya Rasteniy* (USSR) 1956, v. 3,
no. 1, p. 79-86.

DESCRIPTORS: *Nicotine, *Metabolism, *Plants.

(Biological Sciences--Biochemistry, TT, v. 6, no. 2)

61-14952

- I. Title: Tobacco
- I. Mashkovtsev, M. P.
- II. Sirotenko, A. A.

10971.

Office of Technical Services

A NEW TYPE OF CONTAINER FOR GROWTH EXPERI-
MENTS BY THE SEPARATED NUTRITION METHOD,
BY D. V. FEDOROVSKIY, 7 PP.

RUSSIAN, PER, FIZ RASTENII, VOL III, NO 1,
1956, PP 90-93. 9002890

OTS 60-21080
PL-400

SCI - BIOL

NOV 61

PST 267

172,405

Study of the Movement of Nutritive Substances
Within a Plant, by A. M. Rizin, V. I. Merenova,
L. Kh. Ekinas.

RUSSIAN, per, Fiz Rasteniy, Vol III, No 2, 1956,
pp 121-129. CIA 9037523

UEDA

Sci • Biology
Mar 59

83,526

Distribution of Calcium in Plants, by M. Abutalybov.

19 pp.
RUSSIAN, per, Fiz Rastenii, Vol III, No 4, 1956,
pp 306-312.

~~XXXXXXXXXX~~

CSIRO/No 5973

073 63-19600

Sci
Jun 63

Influence of Nitrogen Nutrition of Plants Upon the
CO₂ Fixation by Leaves in the Dark, by L. Nezgovor-
ova, 20 pp.

RUSSIAN, per, Fiziologiya Rastenii, Vol XII, No 4,
Jul-Aug 1955, pp 343-351.

SIA R-3152

Sci
Jul 59

92,978

A Simple Apparatus for Drying Biological Materials in
a Frozen State Under a Vacuum (Lyophilic Drying),
by B. B. Vertapetyan.

RUSSIAN, Memo per, Fiz Rasteniy, Vol III, No 6, Nov/
Dec 1956, pp 581, 582.

FEB Sum 1374

Sci - Med - Lyophilization

On the Front Resistance of Wood Species, by
I. I. Rumanov, O. A. Krasavcev.

RUSSIAN, per, Fiziol Rasteniy, Vol XVII, 1956,
pp 330-333.

*PL 480
1963 Dept of Agri

Sci
7 May 62

Fish physiology in connection with acclimatization and the Fish Industry, by
T. I. Privol'nev, 200 pp.
RUSSIAN, bk, Fiziologiya ryb v sviazi s
aklimatizatsiei i ryborazvedeniem, 1964
*CPSTI TT 70-50063

Sci7 b&m
Jan 70

401,252

Method of Controlling the Negative Effect
of (Winter) Frosts and First Autumn or Late
Spring Frosts on Perennial Crops, by M. A.
Ambartsunyan. 6p.

RUSSIAN, mono, Fiziologiya Ustoichiv Rastenii,
1960, pp 257-260.
SLA TT-66-10264

Sci-Agric
Jul 66

307,562

Physiology-Biochemical Bases for the Storage of
Fat, by V. L. Kratovich, 42 pp.

1922, 1923, Physiologisch-biochemische Anstalt,
Zentrum für Zellen, Institut Leningrad, T/C, p 135;
1924, ibid, pp 58-70, 1924.

Sci Tr Center 88-1149

12-22-44 - BIOLOGY

Jul 54 (22)

Transmission of Plasma Across Magnetic Barrier
in the Presence of High-Frequency Fields, by
I. I. Bakayev, Yu. G. Zadachkiy, et al. 6 pp.
RUSSIAN, per, Fizic-Tekhnicheskiy Institut
1963. 9227052
ABC UCRL-Tr-1163(L)

Sci/Physics
May 66

301,067

Biophysiological Action, by V.I. Susharev, 9pp
RUSSIAN, bk., Fizioterapiya i Kurortologiya
Sobremennye Bolezni, Moscow, 1964, p. 51-63
JPRS 27236

Sci-Biol & Med
Jan 65

271108

S-1068/64

Selections from ~~Physiotherapy~~ and Resort Therapy
of Skin Diseases, by V. I. Sukharev, ~~46 pp.~~ (SF-3385)
RUSSIAN, bk, Fizioterapiya i Kurortoterapiya
Kozhnykh Bolezney, Moscow, ~~Moscow~~, 1964,
pp-~~58-63~~; 66-69; ~~106-109~~; 261-263.

*JPRS

Sci - Med

Oct 64

Health Resort Therapy of Skin Diseases, by
V.I. Sukharev, 15pp
FUNDAM, bk. Fizioterapiya i Kurortoterapiya
Koznykh Bolezney, Moscow, 1964, pp 186-205
RRS 17736

Sci-Biol & Med
Jan 65

271109

PHYSIOTHERAPY IN COSMETICS, BY T. F. NAZAROVA,
M. K. KARAPETYAN, ET AL, 9 PP

RUSSIAN, EK, FIZIOTERAPIYA V KOSMETIKE, MOSCOW,
1963, PP 6-13.

JPRS 22424

SCI-ETOL & MED SCI

JAN 64

245,102

Table of Contents of Osnovy Alpinizma, by V. M.
Abalakov
UNCLASSIFIED

RUSSIAN, per, Fizkultura i Sport, Moscow, 1950

OQMG Tr, QMT-19

USSR
Nov 1950 CTS

Fluctuation Processes in Radio Receivers, by
V. I. Bunimovich, 6 pp.

RUSSIAN, T/C from book, Fluktuatsionnye
Protsessy v Radiosonykh Ustroystvakh.
Moscow, 1951, 360 pp.

Sci Tr Ctr RT-3969

Sci - Electronics
Aug 56 CDS/dex

37,554

Cryptogamic Plants of the USSR, by
V. P. Savich, 518pp.
RUSSIAN, bk, Flora Sporevykh Rastenii
SSSR, 1957.
CFSTI HT 69-55105

Sci/b&m
May 70

Flora of the U.S.S.R., by V. L. Komarov,
622 pp.

RUSSIAN, bk, Flora SSSR, Vol II, 1934.
9207558

PL-480
OTS 60-21814

Sci - Biol
Jun 63

232,400

~~XXXXXXXXXX~~

Families 25-32: Cyperaceae, Palmae, Araceae Neck,
etc.,

RUSSIAN, bk, Flora SSSR, Vol III, 1935, ~~1935~~ Leningrad,
629 pp.

*PL 480

Smithsonian

Jun 61

Flora of the USSR, 593 pp.
RUSSIAN, bk, Flora SSSR. Volume 5, 1936.
CPSTI TT 69-55052

Sci/b&m
May 70

Flora of the USSR. 930 pp;
RUSSIAN, bk, Flora SSSR, Volume 6, 1936.
*CPSTI IT 69-55053

sci/b and in
MAR 69

Flora of the U.S.S.R., by V. I. Komarov, 615 pp.
RUSSIAN, bk, Flora USSR, Vol VII, 1937.
NTIS TT 70-50084

Sci/R&M
Feb 71

Flora of the U.S.S.R., by V. L. Komarov, 524 pp.
RUSSIAN, bk, Flora USSR, Vol VIII, 1939.
NIS TT 70-50085

Sci/B&M
Feb 71

Flora of the U.S.S.R., 512 pp.
RUSSIAN, bk, Flora SSSR, 1941. Vol X, Rosaceae-
Rosoidaeae, Prunoideae.
ITIS TT 70-50149

Jan 72

Luceren - Medicago Spp. L., by A. Grossheim.

RUSSIAN, ^{b7}~~per~~, Flora of the USSR, Vol XI,
1945, pp 129-176.

CSIRO 5555

Sci - Biol
Apr 62

191,395

Flora of the U.S.S.R., V. L. Komarov, Vol 13, 455 pp.
RUSSIAN, bk, Flora SSSR, 1948.
NTIS TT 71-50057

Apr 72